

**Notice of Allowability**

Application No.

10/629,010

Examiner

TUAN A. PHAM

Applicant(s)

SHAPIRO ET AL.

Art Unit

2618

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 04/19/2006.
2. ☒ The allowed claim(s) is/are 3-11, 13, 15-18, 22-29 and 33.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☒ Certified copies of the priority documents have been received in Application No. 09/908,118.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### REASONS FOR ALLOWANCE

1. Claims 3-11, 13, 15-18, 22-29, and 33 are allowed over the prior art of record.
2. The following is an examiner's statement of reasons for allowance:

The applicant's Remarks, filed on 04/19/2006, have been carefully reviewed with update search. Consequently, reasons for allowance of claims 3-11, 13, 15-18, 22-29, and 33 are set forth as the following.

**Regarding claim 3**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and a first mirror and a movable platform, to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for the selected one of the first mirror and the first one or more light sources, the first mirror optically coupling the first one or more light sources to the photonic opening, and the instructions are further designed to maintain the moveable platform, and therefore the selected one of the first mirror and the first one or more light sources, in a predetermined steady position, during the pointer operational mode, in combination with other limitations, as specified in the independent claim 3.

**Regarding claim 4**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activating/deactivating first and second one or

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more light sources to output a first and a second light pulse and second one or more LS to contribute to outputting a second light pulse and a first mirror and a movable platform, to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for a selected one of the first mirror and the first one or more light sources, the first mirror optically coupling the first one or more light sources to the photonic opening, and the instructions are designed to selectively activate/deactivate the light source, and move the moveable platform, and therefore the selected one of the first mirror and the first one or more light sources, in a coordinated manner, based at least in part on one or more user inputs, to facilitate a user in spatially painting an illumination image, using the wireless mobile communication device, during an illumination image painting operational mode, in combination with other limitations, as specified in the independent claim 4, and further limitations of their respective dependent claims 5-11 and 18.

**Regarding claim 13**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activate/deactivate the one or more light source to contribute to outputting the first light pulse and the first one or more light sources comprising a first, a second, and a third laser diode to output light pulse in a red, a green, and a blue spectrum respectively, and the wireless communication device further comprises a plurality of mirrors disposed in the defined interior space, between the photonic opening and the first one or more light sources to integrate the outputted light

pulses in the red, blue, green spectrums to contribute to the forming of the first light pulse, in combination with other limitations, as specified in the independent claim 13.

**Regarding claim 15**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activating/deactivating first and second one or more light sources to output a first and a second light pulse and second one or more light source to contribute to outputting a second light pulse, and a plurality of mirrors optically aligned with the first and second one or more light source and the photonic opening to facilitate emitting of the second light pulse, in combination with other limitations, as specified in the independent claim 15.

**Regarding claim 16**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activating/deactivating first and second one or more light sources to output a first and a second light pulse and a small range diffuser complementarily disposed at least a selected one of the first one or more light sources and the photonic opening, to narrowly diffuse the first light pulse, in combination with other limitations, as specified in the independent claim 16, and further limitations of their respective dependent claim 17.

**Regarding claim 22**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activating/deactivating first and second one or more light sources to output a first and a second light pulse and reflecting a first of the at least one light pulse off a first mirror, and maintaining a moveable platform to which a selected one of the first mirror and the first one or more light source is attached to provide mobility for the selected one of the first mirror and the first one or more light sources, in a predetermined steady position, in combination with other limitations, as specified in the independent claim 22.

**Regarding claim 23**, the prior art made of record fails to clearly teach or fairly suggest a method of a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and reflecting a first of the at least one light pulse off a first mirror, and moving a moveable platform to which a selected one of the first mirror and the first one or more light sources is attached to provide mobility for the selected one of the first minor and the first one or more light sources, in a coordinated manner, based at least in part on an illumination image a user desires to paint spatially, using the wireless mobile communication device, in combination with other limitations, as specified in the independent claim 23, and further limitations of their respective dependent claims 24-29.

**Regarding claim 33**, the prior art made of record fails to clearly teach or fairly suggest a wireless mobile communication comprises a body case, photonic opening, plurality of light source, and selectively activating/deactivating first and second one or more light sources to output a first and a second light pulse, with the outputted first and second light pulses being directed at a first and a second mirror respectively, reflecting the first and second light pulses by the first and second minors to emit the first and second light pulses, in combination with other limitations, as specified in the independent claim 33.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

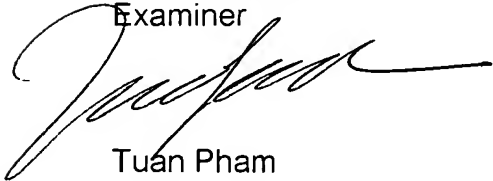
### **Conclusion**

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A. Pham whose telephone number is (571) 272-8097. The examiner can normally be reached on Monday through Friday, 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on (571) 272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have question on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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April 27, 2006  
Examiner

Handwritten signature of Tuan Pham in black ink, featuring a stylized, cursive script.

Tuan Pham

Supervisory Patent Examiner  
Technology Center 2600

Handwritten signature of Matthew Anderson in black ink, featuring a stylized, cursive script.

Matthew Anderson